9104 - 9205

Velvet Finish

Red Quille

Writing Paper

NOTES

No. 429

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Arthur Cronquist
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U. 573

9104 - May 25, 1961. Rock crevices on western back-slope of conglomerate ref, about 27 miles west of Green River, along the road to Castle Dale (the Spanish Trail), Emery Co., Utah. T. 19 S., R. 13 E., Paria 4th light yellow. Pinon-juniper zone

✓

Eriogonum alatum Torr.

Eriogonum D ✓

9105. May 25, 1961. Rock crevices atop conglomerate ref about 27 miles west of Green River, along the road to Castle Dale (the Spanish Trail), Emery Co., Utah. T. 19 S., R. 13 E. Head yellow. Rays mostly about 13. Piñon-juniper zone.

Hymenoxys acaulis (Pursh) Parker var. arizonica (Greene) Parker

Hymenoxys (3)

9106 - May 25, 1961 Gravelly soil around the base of a conglomerate reef about 27 miles west of Green River on the road to Castle Dale, Emery Co, Utah + Twp. 19 S., R. 13 E., Headswhite

Piñon-juniper zone

Chaenactis stevioides H. & A.

2194

Chaenactis (1)

9107 - May 26, 1961 - Rocky sandstone west slope in open piñon - juniper woodland, at low summit along highway 13 miles south of Moab, San Juan Co., Utah. Twp. 27S, R. 23E., S. 30. Elevation 5600 feet. Rays white to pale lavender, 30-40, often 34.

Erigeron pulcherrimus Heller
var. pulcherrimus

Erigeron argentatus (10)

9108 - May 26, 1961 - Same place as 9107. Flowers white with a yellow eye. Inflorescence notably compact, forming a cylinder covered all around with flowers at anthesis, not opening up much at maturity.

Cryptantha nana (Eastw.) Payson.

Cryptantha (7)

9109- May 26, 1961 - Sandy soil in open piñon - juniper woodland at low summit along highway 13 miles south of Moab, San Juan Co., Utah. Twp. 27 S., R. 23 E., S. 30. Elevation 5600 feet. Herbage glaucous. Sepals pale greenish. Petals bright purple.

Asclepias cryptoceras Wats. var. cryptoceras

Asclepias cryptoceras (3)

9110 - May 27, 1961
Thin soil on sandstone ledges, with scattered ponderosa pine, pinons, and junipers, near Forest Camp 10 miles north of Blanding, San Juan Co., Utah. Twp. 35S., R. 23E., S. 16. Elevation 7000 feet. Heads yellow. Rays about 13.

Hymenoxys leptoclada (Gray)

Hymenoxys (2)

9111 - May 27, 1961 -

a09110 . Headsyellow

Senecio neomexicanus Gray

9112 - May 27, 1961.

Same place as 9111. Stems solitary or several. Herbage glaucous. Flowers bright lavender to blue-lavender.

Penstemon pachyphyllus Gray,
sens. lat.

Penstemon

9113 - May 27, 1961 Sandy soil of Coleogyne desert 8 miles north of Bluff, San Juan Co., Utah T. 41 S., R. 22 E. Elevation about 5000 feet. Plants apparently with deep-seated creeping roots. Flowers, lavender.

Lygodesmia grandiflora (Nutt.)
T. & G.

Lygodesmia (2)

Sta. 1 — May 27, 1961.
Some plants 9" h. Flowers
6 or less stemmed, pink.

Stephanomeria exigua Nutt.

Stephanomeria (3)

9115 - May 27, 1961 - same
plant as 9113. Herbage glaucous.
Flowers blue

Delphinium scaposum Greene

Gr. - May 27, 1961, same place as 9113. Heads white

Chaenactis stevioides H. & A.

Chaenactis (9)

9117. May 27, 1961. Lane
Plateau, 13. Rayon hills.

Townsendia annua Beaman

Townsendia (3)

9113 - May 27 1961

Same place as 9113. Rays white, mostly about 13, sometimes up to 18. Disk yellow.

Leucelene ericoides (Torr.) Greene

Leucelene (3)

9116 May 2 7, 1961 - Same place as 9113. F lavers yellow. Seeds angular, densely papillate.

Mentzelia albicaulis Dougl.

Mentzelia (10)

1920 May 27 1 - Partly stabilized dunes 4 miles north of Bluff, San Juan Co., Utah. Twp. 39 or 40 S., R. 22 E. Elevation about 5000 feet. Flowers very faintly bluish, almost white.

Gilia gunnisoni T. & G.

Gilia aggregata (10)

9121. May 27, 1961 Red, sandy gravelly low ridges in desert along the west side of Comb Wash, 9 miles west of Bluff, San Juan Co., Utah. Twp 40 or 41 S., R. 20 E. Elevation about 4000 feet. Aromatic shrubs mostly 3-6 dm. tall. Headquarters, Kayenta, more or less about 80 or about 13.

Encelia frutescens Gray
var. resinosa Jones

Encelia

9122 - May 27, 1901 -
Same locality 9121).
Hendersonville.

Brickellia oblongifolia Nutt.
var. linifolia (Eat.) Rob.

Brickellia (13)

9123 - May 27, 1[illegible] Lamb
Placer as 9121. Stems
widely ascending.

Astragalus cronquistii Barneby

1 Holotype
9 Isotypes

1234 May 27, 1961 Sandy soil along edge of wash 7½ miles northeast of Medican Hat, San Juan Co., Utah. T. 42 S., R. 19 E. Elevation about 4000 feet. Flowers yellow, closing in the evening. Petals 5. Principal staminodes 5, a little smaller than the petals.

Mentzelia pumila (Nutt.)
T. & G.

23441

Mentzelia 33

9125 - May 28, 1936 - Sandy soil on bench overlooking desert wash 7½ miles northeast of Mexican Hat, San Juan Co., Utah. T. 41 S., R. 19 E. Elevation about 4000 feet. Leaves bright green, not glaucous. Wings of the fruits extremely variable, straight to strongly crinkled, those on the faces of the fruit sometimes scarcely developed (as in Lomatium). No other species of Cymopterus or Lomatium seen in the vicinity.

Cymopterus newberryi
(Wats.) Jones

Cymopterus (8)

Sandy slopes overlooking desert wash 7-1/2 miles northeast of Mexican Hat, San Juan Co., Utah. T 41 S., R 19 E. Elevation about 4000 feet. Flowers pale lavender. Plants ruderal. Seeds not becoming mucilaginous when wetted.

Gilia hutchinsifolia Rydb.

Gilia (5)

9177 - May 28, 1901
Same place as 9125.
F Lemmon bliss. Plants nephitic.

Phacelia crenulata Torr.,
sens. lat. (P. corrugata A. Nels.)

Phacelia (7)

9123. Rays 13. Same place as 9126. Rays 13, yellow.

Helianthus petiolaris Nutt.
rays. fallow Heiser

Helianthus (1)

9129 - May 28, 1961 Sandy soil at edge of desert wash, 7½ miles northeast of Mexican Hat, San Juan Co, Utah. Twp. 41S, R19E. Elevation about 4000 feet. Shrub about 1 m. tall. Heads yellow, with 8 rays.

Senecio longilobus Gentl.

Senecio (3)

9130 - May 28 1911 Sandy soil along desert wash 7½ miles northeast of Mexican Hat, San Juan Co. Utah. Twp. 41 S., R. 19 E. Elevation about 4000 feet. Flowers yellow. Fruits subglobose.

Lesquerella gordonii (Gray) Wats.

Lesquerella (17)

9131 ~~Lone~~ May 23 1930
Same place as 9130.
Leaves pale green, with deeper green speckles. Flowers yellow.

Oenothera walkeri (A. Nels.)
Raven
ssp. walkeri

Oenothera (1) ✓

9132 - May 28, 1961
Sandy soil along desert wash 7½ miles northeast of Mexican Hat, San Juan Co., Utah. Twp 41S, R. 19E. Elevation about 4000 feet. Aromatic shrub 3-6 dm. tall. Flowers light blue-lavender, with some deeper purple dots at the base of the lower lips.

Poliomintha incana (Torr.) Gray

Poliomintha (8)

9133 - May 28, 1961 - Lamplaea
as 9132. F. lamprocyllum.

Cryptantha flava (A. Nels.)
Pays.

F. flavo-cuticulata (7)

9134 May 28. 1961 Desert
3 miles north of Medican
Hot, San Juan Co., Utah.
Twps. 41 S., R. 19 E. Elevation
about 4000 feet. Rays yellow,
mostly about 8 or about 13,
Disk red-brown.

Gaillardia pinnatifida Torr.

8 13
Gaillardia (13) ✓

9135 May 28, 1961 - Same plant as 9134. Stems clustered on a taproot. Flowers brick orange.

Sphaeralcea grossulariaefolia
(H. & A.) Rydb.
var. pedata (Torr.) Kearney

Sphaeralcea (7)

9332 - May 28, 1941. Shaly ridgetops in sandstone country at south end of Monument Valley, ~~mile~~ north of Kayenta, Navajo Co., Arizona

Plants nearly prostrate. Corolla dull greenish-white, with snow-white bannisters

Chamaesaracha coronopus (Dunal) Gray

Solanum (3)

9137 - May 28, 1961. Same place as 9136. Corolla pink-purple

Astragalus amphioxys Gray var. amphioxys

det. R. C. Barneby

Astragalus (fun 1)(1) ✓

9153 May 28, 1941 along the edge of a dry wash bed the desert at the south end of Monument Valley, ~~[illegible]~~ north of Kayenta, Navajo Co., Ariz.

2 stems clustered and ~~tapering~~ and freely branched basally. Heads yellow, with 8 or occasionally 9 rays

Hymenoxys richardsonii (Hook) Cockerell
var. floribunda (Gray) Parker

Hymenoxys 10

.9139 - May 26 1961 - Sandy soil of sagebrush flats 27 miles southwest of Kayenta, Navajo Co, Arizona

Petals rich yellow, marked with red toward the base on the inside. Flowers closing at night.

Calochortus nuttallii
var. aureus (Wats.) Cronq.

3450

Calochortus (15) ✓

9100 ft. May 29. 1921 Very sandy soil in desert 14 miles n.e. [illegible] east of Tuba City, Coconino Co., Arizona

Herbage glaucous. Flowers c. 7, pink.

Stephanomeria exigua Nutt.

Stephanomeria (12)

9141 - May 29, 1961 - Lundy said
in Mesa 60 miles south of
Page, Coconino Co. Arizona
Corolla lobes pinkish, the tube
small whitish

Chaenactis macrantha Eat.

Chaenactis macrantha (11)

7142 - May 29, 1921 Barren clay slopes in desert 59 miles south of Page, Coconino Co., Ariz. Perianth yellow

Eriogonum divaricatum Hook.

Eriogonum (11)

9143- May 29, 1961. Same plant as 9142. Corolla bright lavender-pink. Herbage staining the pressing paper orange-red.

Phacelia demissa Gray

phacelia (11)

9144 - May 30, 1961 Open, rocky, sandstone slope, with scattered pinons and junipers, along Cottonwood Creek, 26 miles southeast of Cannonville, Kane Co., Utah. Heads yellow. Rays persistent, mostly 3, sometimes 2 on small heads.

Psilostrophe sparsiflora (Gray)
A. Nels.

Zinnia

9145. May 30, 1901 Sandy banks along Cottonwood Creek, about 25 miles southeast of Cannonville, Kane Co., Utah. Rays about 13, white or nearly so.

Townsendia incana Nutt.

Townsendia

T.L.L. May 30, 1961
[illegible] 1145. Flowers white.

Gilia congesta Hook.
var. frutescens (Rydb.) Cronq.

Gilia congesta

9147- May 30. 1961 With
scattered pinons and junipers
on barren clay slopes along
Cottonwood Canyon, 21 miles
southeast of Cannonville,
Kane Co., Utah. Disk yellow.
Rays 4-11, white.

Machaeranthera glabriuscula (Nutt.)
Cronq. & Keck
var. confertifolia Cronq.

[illegible] May 30. 1961. Panne
[illegible] 9147. Rays about 21,
white to pale lavender

Machaeranthera tortifolia
(T. & G.) Cronq. & Keck
var. *imbricata* Cronq.

ca 21 rays
[illegible] (3) ✓

7149 May 30. [illegible] Open [illegible]
[illegible] pinon-juniper zone,
along Coleman Canyon 21
miles southeast of Cannonville,
Kane Co., Utah. Herbage
glaucous, sepals pale
greenish; petals purple.

Asclepias cryptoceras Wats.
var. cryptoceras

(2)

May 2, 1961

Terminalia as T. [illegible]

Leaves green, not glaucous

Cymopterus purpureus
Wats.

Cymopterus

PLS 1. May 30, 1961. L. Lundy
clay soil in pinion-juniper
zone 20 miles southeast of
Cannonville, Kane Co. Utah.
Flowers achroleucous.

Astragalus praelongus
Sheld.

det. R. C. Barneby

Astragalus praelongus (4)

1152 May 31, 1961 Gravelly soil in open ponderosa pine woods below Table Cliff Plateau 17 miles southwest of Escalante, Garfield Co., Utah. Twp. 36 S., R 1 E. Stems prostrate or nearly so. Flowers small, white with a yellow eye.

Cryptantha abata Johnst.
(C. modesta Payp.)

Type specimen (T)

9153 - May 31, 1961, Same
as 9152. Stems erect, solitary
or sometimes 2-3. Corolla
white with a yellow eye.

Cryptantha bakeri (Greene)
Pays.

9152 - May 31, 1961.
Same plaque as 9152. Plants
several, ascending.
Flowers white with a
yellow eye.

Cryptantha jamesii (Torr.)
Pays.

9155 - May 31, 1961. Same place as 9152. Flowers ranging from white to bright lavender-pink, even on the same plant.

Phlox austromontana
Coville

Phlox (6)

9156 - May 31, 1961. Same
as Cocas 9152. Rays lilac.
outside, nearly white inside.

Eriogonum flagellaris Gray
var. flagellaris

Eriogonum flagellaris 3

1157 - May 30, 1961 - Road-side banks in sandstone country 5½ miles south of Cannonville, Kane Co., Utah. Flowers bright purple, dull tanner mid a central rosette spot.

Oxytropis lambertii Pursh
var. higelovii Gray

det. P. C. Barneby

(3)

9158 – May 31, 1961
same place as 9152
Flowers yellow.

Lithospermum incisum Lehm.

Lithospermum (2) ✓

Petrosperma (2)

9159 - May 31, 1961. Same place as 9152. Heads yellow.

Rays 4-11, often irregularly arranged, typically 8 when regular.

Senecio multilobatus T. & G.

Senecio multilobatus (7)

9160 - May 31, 1941
Sagebrush-juniper community
4½ miles west of Escalante,
Garfield Co., Utah, Twp. 35S.,
R. 2E. Elevation about 5500 feet
Stems clustered on a
taproot and branched
caudex. Flowers white.
Fruits pendulous

Astragalus bisulcatus (Hook.) Gray
det. R. C. Barneby

astragalus (6)

9161. May 31, 1961. Same as 9160. Leaves green, not glaucous

Cymopterus purpureus Wats.

Cymopterus (2)

9162 - May 31, 1961. Lamb place
x 9160. Common bicolored,
bright pink-purple and
yellow.

Polygala subspinosa Wats. ✓

Polygala (3) ✓

9163. May 31, 1961. Same place as 9160. Heads yellow.

Rays mostly 13.

Hymenodya leptoclada (Gray)

Hymenodya ... (4)

9164. May 31, 1961. Barren clay slopes in pinon - juniper zone 11 miles northeast of Henrieville, Garfield Co., Utah. Twp. 37 S., R. 1 W., S. L., Elevation about 7000 feet. Stems clustered on a woody taproot, which can produce adventitious buds under some circumstances. Rays 4-14, white.

Nischaeranthera glabriuscula (Nutt.) Cronq. & Keck var. confertifolia Cronq.

1 Holotype
8 Isotype

Marian Ownbey - 9147

9165 – May 31, 1895 / Same
place as 9164. Stems [illegible] two,
one a taproot. Flowers white;
fruits pendulous

Astragalus lonchocarpus Torr.

det. R. C. Barneby

✓

Astragalus (2) ✓

9166 - June 1, 1961 With
Artemisia tridentata in open
flatlands atop the Plateau,
along the highway 2 miles
north of the entrance to Bryce
Canyon National Park,
miles southeast of
Panguitch, Garfield Co.,
Utah. Twp. 36 S., R. 3 W., about S. 7.
Elevation about 7800 ft.
Keyser lite to fairly common

Erigeron pumilus Nutt.
ssp. concinnoides Cronq.
var. condensatus (Eat.) Cronq.

Erigeron (11)

9167 June 1, 1961 - Barren grassy slopes in Red Canyon at the highway tunnels, 12 miles southeast of Panguitch, Garfield Co., Utah. Twp. 35 S., R. 4½ W. - Stems clustered; leaves glaucous; sepals and petals blue.

(Elevation about 7000 ft)

Aquilegia scopulorum
Tidestrom

(3)

9168 June 1, 1936 Gravelly bottom of wash at confluence point just below the mouth of Kanarra Canyon, 10 miles southeast of Panguitch, Garfield Co., Utah. Elevation about 7000 feet. Twp 35 S., R. 4½ W. Herbage glaucous, flowers blue

Penstemon pachyphyllus Gray, sens. lat.

Penstemon 54.35

9169 June 1, 1961. With sagebrush on rocky, rhyolitic ridgetop overlooking the east fork of the Sevier River, 32 miles northeast of Panguitch, Piute Co., Utah. Twp. 30 S., R. 2½ W. Elevation about 6000 feet. Growing with #9170, E. pumilus var. condensatus, and looking very much like it except for the absence of rays.

Erigeron aphanactis (Gray) Greene var. congestus (Greene) Cronq.

Detail Erigeron (12)

9172 June 1, 1961 Came
from [illegible] 9169. Growing
with #9169, E. aphanactis
var. congestus, and looking
very much like it except
for the presence of rays.

Erigeron pumilus Nutt.
ssp. concinnoides Cronq.
var. condensatus (Eat.) Cronq.

2612

radiate Erigeron (6)

9.7.- June 2, 1961 Barren red clay slope in pinon juniper zone at the foot of the mountains a mile east of Bicknell, Wayne Co., Utah. Twp. 28S., R. 2 E. Elevation about 7500 feet. Flowers white with a yellow eye.

Cryptantha echinoides (Jones) Payson.

9172 June 2, 1961 Same
place as 9171. Plants
discoform, very shortly
radiate, and normally
radiate, all in one small
local population.

Erigeron aphanactis var.
congestus (Greene) Cronq.,
passing to E. pumilus ssp.
concinnoides var. condensatus
(Eat.) Cronq.

Erigeron (2) ✓

9173 - June 2, 1961 - Along a wash about a mile east of Bicknell, Wayne Co., Utah, in pinon-juniper zone, Twp. 28S, R. 4E. Elevation about 7500 feet. Rays 6-11, most commonly 8, Heads yellow.

Senecio multilobatus T. & G.

S. multilobatus 3

9174 - June 2, 1960. With scattered junipers in desert near the north end of Capitol Reef, west side, about 4 miles east of Torrey, Wayne Co., Utah. Twp. 29 S., R. 5 E., S. 11. Elevation about 6400 feet. Heads yellow, with 14-18 rays.

Encelia[illegible]opsis nudicaulis (Gray)
A. Nels.

Encelia[illegible]opsis (3)

#175 - June 2, 1961. In thin-bedded
rolling sandstone rocks in
Capitol Gorge, 35 miles
Southwest of Hanksville,
Wayne Co., Utah. Twp. 30 S.,
R. 7 E. Elevation about 5500
feet. Rays 17-78, bright
blue-lavender.

Eriogonum utahensis Gray
var. utahensis

Eriogonum utahense (7)

9176. June 2, 1961.
Very sandy soil on ridge
between Capitol Wash
and Pleasant Creek, in
the desert 32 miles ~~south~~ west
of Hanksville, Wayne Co.,
Utah. Twp. 30S., R. 7E., S. 2.
Elevation 5300 feet.
Plants spreading by
creeping roots. Flowers
white or faintly greenish.

Asclepias labriformis Jones

Asclepias (6) ✓
9177 - June 2, 1961.

9777 - June 2, 1901. Same place as 9776. Headyellow.

Hymenopappus filifolius Hook.
Connecting forms between
var. cinereus (Rydb.) Johnst. and
var. paucifloras (Johnst.) Turner,
the heads of the former, the
habit of the latter

Hymenopappus

June 3, 1901 - With
Atriplex on open, rocky
slopes in the desert 28
miles southwest of Hanksville,
Wayne Co., Utah. Twp 27 S.,
R. 8 E., S. 30. Elevation 5000
feet. Plants spreading by
creeping roots. Herbage
glaucous. Heads yellow.
Rays mostly 8.

Thelesperma subnudum Gray

T. subnudum (18)

7179 - June 3, 1961. On barren clay slopes in the desert 28 miles ~~south~~ west of Hanksville, Wayne Co., Utah. Twp. 29 S., R. 8 E., S. 30, Elevation 5000 feet. Flowers bright lavender.

Phacelia demissa Gray

Phacelia (3) ✓

9180 - June 3, 1961.
Same plant as 9179. Petals yellow, finely red-dotted toward the base.

Oenothera eastwoodiae
(Munz) Raven

Oenothera (5) ✓

9181 - June 3, 1961. Same
Race as 9177 Corolla white
with a conspicuous yellow
eye, the stamens prominent,
the corolla-tubes becoming
reflexed.

Cryptantha fulvocanescens
(Gray) Payson.

Cryptantha (3)

9182 June 3-1901.
Same place as 9178. Shrubs
3-6 dm. tall. Heads yellow.

Tetradymia glabrata Gray

Tetradymia (4)

9183 – June 3, 1901. Clay draws in the desert 28 miles ~~west~~ south of Hanksville, Wayne Co., Utah. Twp. 27 S., R. 8 E., S. 30. Elevation 5000 feet. Herds yellow, with 8-13 rays.

Hymenoxys richardsonii (Hook.) Cockerell
var. richardsonii

Hymenoxys (3) ✓

9184 - June 3, 1961. Same place as 9178. Flowers 3 to 5, white to pinkish.

Lygodesmia exigua Gray

Lygodesmia (4)

9185. [illegible] 19[illegible] Barren clay flats along draw leading into Fremont River 25 miles southwest of Hanksville, Wayne Co., Utah. Twp. 29S., R. 8 E., S. 20 Elevation 4800 feet. Plants malodorous. Flowers bright yellow.

Cleomella cornuta Rydb.
Near the type locality

(8) ✓

9110 June 3, 1961 - Barren
rocky clay slopes near the
Fremont River, 23 miles
southwest of Hanksville,
Wayne Co, Utah. Twp 29 S.,
R. 8 E., S. 16. Elevation 4700 feet.
Flowers bright lavender,
or sometimes rather pale.

Phacelia demissa Gray

30.65

Phacelia (25)

9187 - June 3, 1901. Same place as 9186. Flowers blue - lavender.

Phacelia crenulata Torr., sens. lat. (P. orbicularis Rydb., an extreme form, very different in appearance from the more common forms of P. crenulata, and perhaps taxonomically separable)

taller Phacelia (6) ✓

9182 June 3, 1961
Very sandy, dune-like
desert slope in the desert
6 miles north of Hanksville,
Wayne Co. Utah. Twp. 27 S.,
R. 11 E. Elevation about 5000 feet.
Rays yellow, 7-11, most
commonly 8. Disk dark.

Helianthus anomalus Blake

Helianthus (10)

P187 – June 3, 1961. Same place as 9188. Flowers bright yellow.

Mentzelia pumila (Nutt.)
T. & G.

Mentzelia (8)

9190 - June 3, 1961 Sandy flats in the desert 24 miles north of Hanksville, on the road to Castle Dale, Emery Co., Utah. Twp. 25S., R. 12 E., S. 17. Elevation 5100 feet. Rays bright blue-lavender.

Machaeranthera tanacetifolia (HBK.) Nees

(12)

9191 - June 4, 1961 - In sandy soil
about Goblin Valley, north of
Hanksville, Emery Co., Utah.
T. 29 S., R. 11 E. S. 10.
Elevation about 5000 feet.
Rays and disk yellow, the
rays 7-10. most often 8.
Plants spreading by
creeping roots.

Gaillardia spathulata Gray

(14)

Sandy bank at the edge of Goblin Valley, north of Hanksville, Emery Co., Utah. Twp. 26 S., R. 11 E., S. 10. Elevation about 5000 ft. Rays about 34, bright blue-lavender. Stems clustered on a taproot and branching caudex, these specimens from a single large plant nearly 1 m. across.

Erigeron utahensis Gray var. utahensis

Erigeron utahensis (4)

9193 - June 4. FC1 - Pale gray sandy soil along ridge-tops just west of Goblin Valley, north of Hanksville, Emery Co., Utah. T. 25 S., R. 11 E., S. 10. Elevation 5200 feet. Flowers bright pink-purple.

Astragalus amphioxys Gray
var. amphioxys

det. R. C. Barneby

9194- June 4, 1861 Same place as 9193. Plants spreading by creeping roots. Herbage glaucous. Heads discoid, yellow. Growing with #9195, T. subnudum (radiate), and looking very much like it, except for the absence of rays.

Thelesperma subnudum Gray

discoid T. lyonsii (23)

9195 - Jun. 4, 1961 - Same place as 9193. Plants spreading by creeping rots. Herbage glaucous. Heads yellow, with mostly 8 rays. Growing with # 9194, T. subnudum (discoid), and looking very much like it except for the presence of rays.

Thelesperma subnudum Gray

radiate Thelesperma (7)

9.86 - June 4, 1921 - Same
places 9183. ~~Intermediate~~
~~between the~~ parents in
having asters 2 rays ~~on some~~
~~heads, others heads discoid~~
Some heads with one or two
rays, the others discoid. Growing
with radiate and discoid
forms of the species.

Thelesperma subnudum Gray

Aspicilia ? ①

highland Valley area (1)

9197. June [illegible] 1 - Very sandy, almost dune like soil in the desert 27 miles north of Ranksville, on the way to Huntington Valley, Emery Co. Utah Twp 25 S. R. 11 E., about S. 23. Elevation 5100 feet
Plants spreading by creeping roots, flowering freely, but fruiting only sparsely.
Leaves blue-glaucous, sensitive, but reacting only after some delay. Flowers yellow, the upper petal marked with red.

Hoffmanseggia repens (Eastw.) Cockerell

Hoffmanseggia (18)

9198 - June 4, 1961 - Gravelly sandy alkali flat in pinon-juniper zone on the San Rafael Swell, 29 miles north of Castle Dale, Emery Co., Utah. Twp. 25 S., R. 11 E., S. 4 or 5. Elevation 6000 feet. Plants smelling of selenium. Flowers blue-lavender.

Astragalus moenkoppensis
Jones

det. R. C. Barneby

✓

9061

selenium collection (9)

selenteris Greene (4)

7199 June 4, 1900. With scattered junipers on open, rocky slopes on the San Rafael Swell, 38 miles north of Hanksville, Emery Co., Utah. Twp. 24 S., R. 10 E., S. 3. Elevation 6800 feet. Flowers dark blue-lavender.

Phacelia crenulata Torr., sens. lat. (P. corrugata A. Nels.)

C. 3.6

Phacelia (4)

92 50 - June 4, 1961
Sandy rocky (sandstone)
hillside in pinon - juniper
zone, on the San Rafael Swell
46 miles north of Hanksville,
Emery Co., Utah. T 24 S.,
23 S., R. 11 E., S. 20. Elevation 6800
feet. Rays 38-65, pink-lavender.

Erigeron pumilus Nutt.
ssp. concinnoides Cronq.
var. euconcinnoides,
passing toward var. con-
densatus (Eat.) Cronq.

7/8/85

Erigeron pumilus (20)

9201 - June 4, 1961. Rocky (sandstone) ridge. Top on the San Rafael Swell, 50 miles north of Hanksville, Emery Co., Utah. Twp. 23 S, R. 11 E., S.S. Elevation 6700 feet. Flowers yellow

Oenothera lavandulaefolia T. & G.

var. glandulosa Munz

Oenothera (7)

9202 – June 4, 1961.
Same place as 9201.
Heads yellow, with 4-9 rays.

Haplopappus armerioides (Nutt.)
Gray

✓

Haplopappus armerioides (3) ✓

Rays pale

9203 - June 4, 1961.
Same place as 9201.
Rays pale lavender,
almost white.

Erigeron compactus Blake
var. consimilis (Cronq.) Blake

Erigeron compactus (4) ✓

9204 - June 4, 1961.
Same place as 9201.
Corolla white with a
yellow eye.

Cryptantha paradoxa (a. Nels.)
Payo.—

Cryptanthe (6)

9205 - June 4, 1961.

Same place as 9201. Flowers yellow.

Lesquerella alpina (Nutt.) Wats.,
sens. lat.

/

-23-

(1)

5 6.7 at highway jct
6 4.0 at Bayreuth
7 0 7.0 at Erigeron
10.0 at Antimony jct
7 9.7 at Encelia pasis
8 0 0.7 at Capitol Reef boundary
8 1 9.65 at Enigeron utahensis
22.0 at Park boundary
22.9 at first wash
23.45 at Hymenopappus
23.6 at next wash
23.95 at Henry Mts jct
26.2 at Thelesperma
30.65 at Phacelia
54.8 in Hanksville
76.75 at [illegible] jct
79.3 at Mackan
89.55 at Goblins
96.95 at jct
9 11.65 at jct in the road

22.35 at Draba
etc.
22.9 - 1950 w adjoin
Pond

131.6 at Forest Camp, n. of Blanding
160.55 at hypsodonta
64.3 at Dunes
98.6 at Bluff
77.85 - at Encelia
89.15 at mentzelia
92.7 at jct
93.5 at Gallardia
96.9 at Mexican Hat
27.4 at Stake Cem
40.7 at Solanum
40.9 at Hymenoxys
43.3 at summit
50.3 at ~~summit~~ Kayenta
78.5 at Calochortus
315.15 at Stephanomeria
298 at Tuba City
52.8 at Chaenactis
52.75 at Clay Hill
414.5 at Page

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